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APPLICANT : NITTO DENKO CORP;

INVENTOR : TAKAHATA EIJI;

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TITLE : MANUFACTURE OF THIN FILM OF FLUORORESIN

ABSTRACT : PURPOSE: To prevent wrinkles and breakage into two from occurrence by a method wherein a carrier sheet is coated with a fluororesin dispersion; a fluororesin thin film is formed by heating this; then, after adhesion treatment of the surface of the film is performed, the thin film and the carrier sheet are peeled off each other.

CONSTITUTION: A carrier sheet made of a heat-resistant plastic such as polyimide and polyether ether ketone is coated with a fluororesin dispersion. An immersion method and a spray method are used for coating and as the dispersion, a dispersion of a fluororesin in a dispersion medium (usually, water) is used. Then, this carrier sheet is heated at m.p. or higher of the fluororesin to remove the dispersion medium and to form a fluororesin thin film on the carrier sheet. Then, an adhesive treatment is provided on this thin film surface. As the adhesive treatment, a method wherein a soln. wherein an alkali metal such as metal sodium is dissolved in a mixture of naphthalene and tetrahydrofuran or a liq. ammonia is brought into contact with the thin film surface by means of coating and immersion, is used. Then, the fluororesin thin film and the carrier sheet are peeled off each other.

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